

1P 2681

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the below date:

Date: September 16, 2005 Name: Tadashi Horie Reg. No. 40,437 Signature: *Tadashi Horie*

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. of: Masahiro SAWADA
Masami YABUSAKI

Appln. No.: 10/082,797

Filed: February 25, 2002

For: METHOD AND SYSTEM FOR LOCATION
MANAGEMENT AND LOCATION
INFORMATION PROVIDING SYSTEM

Examiner: DESIR, Pierre Louis

Art Unit: 2681

Attorney Docket No: 9683/106

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL

Sir:

Attached is/are:

- ☒ Fifth Supplemental Information Disclosure Statement, Form PTO-1449, 8 Cited References (F14-21), Check for \$180
- ☒ Return Receipt Postcard

Fee calculation:

- ☐ No additional fee is required.
- ☐ Small Entity.
- ☐ An extension fee in an amount of \$_____ for a _____-month extension of time under 37 C.F.R. § 1.136(a).
- ☒ A petition or processing fee in an amount of \$180 under 37 C.F.R. § 1.17(p).
- ☐ An additional filing fee has been calculated as shown below:

| | | | | | Small Entity | | | Not a Small Entity | |
|---|----------------------------------|-------|---------------------------------|---------------|--------------|-----------|----|--------------------|-----------|
| | Claims Remaining After Amendment | | Highest No. Previously Paid For | Present Extra | Rate | Add'l Fee | or | Rate | Add'l Fee |
| Total | | Minus | | | x \$25= | | | x \$50= | |
| Indep. | | Minus | | | x 100= | | | x \$200= | |
| First Presentation of Multiple Dep. Claim | | | | | +\$180= | | | +\$360= | |
| | | | | | Total | \$ | | Total | \$ |

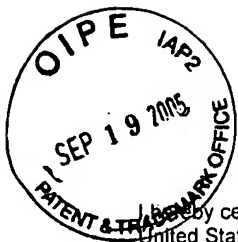
Fee payment:

- ☒ A check in the amount of \$180 is enclosed.
- ☐ Please charge Deposit Account No. 23-1925 in the amount of \$_____. A copy of this Transmittal is enclosed for this purpose.
- ☐ Payment by credit card in the amount of \$_____ (Form PTO-2038 is attached).
- ☒ The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 23-1925.

Respectfully submitted,

Tadashi Horie
Tadashi Horie (Reg. No. 40,437)

September 16, 2005
Date



CERTIFICATE OF MAILING

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September 16, 2005

Date of Deposit

Tadashi Horie Reg. No. 40,437

Name of Applicant, Assignee or
Registered Representative

Signature

September 16, 2005

Date of Signature

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. of: Masahiro SAWADA
Masami YABUSAKI

Appln. No.: 10/082,797

Filed: February 25, 2002

For: METHOD AND SYSTEM FOR LOCATION
MANAGEMENT AND LOCATION
INFORMATION PROVIDING SYSTEM

Examiner: DESIR, Pierre Louis

Art Unit: 2681

Attorney Docket No: 9683/106

FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and §§1.97-1.98, and more particularly in accordance with 37 C.F.R. §1.97(c), Applicants hereby cite the following references:

| U.S. DOCUMENT NUMBER Number-Kind Code (if known) | DATE | NAME |
|---|------------|-----------------|
| 2003-0013445 A1 | 01/16/2003 | Fujiwara et al. |
| 2005-0197121 A1 | 09/08/2005 | Fujiwara et al. |
| 5,559,865 | 09/24/1996 | Gilhousen |
| 6,646,999 B1 | 11/11/2003 | Kato et al. |
| 6,466,785 B1 | 10/15/2002 | Chambert et al. |
| 6,330,446 B1 | 12/11/2001 | Mori |
| 6,466,788 B1 | 10/15/2002 | Carlsson |
| 5,898,922 | 04/27/1999 | Reininghaus |

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|--------------|------------|----------------|
| 6,097,942 | 08/01/2000 | Laiho |
| 5,828,958 | 10/27/1998 | Ishida et al. |
| 5,815,810 | 09/29/1998 | Gallant et al. |
| 6,556,831 B1 | 04/29/2003 | Büppelmann |
| 5,835,845 | 11/10/1998 | Niki et al. |

| FOREIGN DOCUMENT NUMBER Number-Kind Code (if known) | DATE | COUNTRY |
|--|------------|-----------|
| WO 94/08406 | 04/14/1994 | WIPO |
| H07-030962 | 01/31/1995 | Japan |
| AU-A-46850/97 | 11/06/1998 | Australia |
| H08-140141 A | 05/31/1996 | Japan |
| H08-214370 A | 08/20/1996 | Japan |

| OTHER ART – NON PATENT LITERATURE DOCUMENTS | |
|--|--|
| (Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published. | |
| Patent Abstract of Japan for JP11-355835 | |
| Gu, D. L. et al., "Hierarchical Routing for Multi-Layer Ad-Hoc Wireless Networks with UAVs" <i>IEEE</i> , 2000, pp 310-314 | |
| Pei, G. et al., "A Wireless Hierarchical Routing Protocol with Group Mobility" <i>IEEE</i> , 1999 pp 1538-1542 | |

Applicants are enclosing Form PTO-1449 (one sheet), along with a copy of each listed reference for which a copy is required under 37 C.F.R. §1.98(a)(2). References F1 and F2 are co-pending applications which deal with subject matters related to that of the present application. Both references have been assigned to the assignee of the present application. Reference F2 is a continuation of Reference F1. A notice of allowance has been issued to reference F1, but a patent has not yet issued thereto as of the filing date of this Statement.

Applicants respectfully request the Examiner's consideration of the above references and entry thereof into the record of this application.

By submitting this Statement, Applicants are attempting to fully comply with the duty of candor and good faith mandated by 37 C.F.R. §1.56. As such, this Statement is not intended to constitute an admission that any of the enclosed references, or other

information referred to therein, constitutes "prior art" or is otherwise "material to patentability," as that phrase is defined in 37 C.F.R. §1.56(a).

Applicants have calculated a processing fee in the amount of \$180.00 to be due under 37 C.F.R. §1.17(p) in connection with the filing of this Statement. Applicants have enclosed a check covering this fee, or authorized charging the fee to a deposit account or credit card, as indicated in the Transmittal accompanying this Statement.

Respectfully submitted,

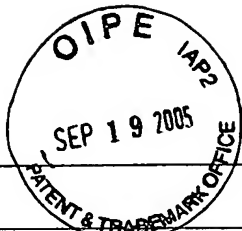
September 16, 2005

Date



Tadashi Horie (Reg. No. 40,437)

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Chicago, IL 60610
(312) 321-4200



| | | |
|--|----------------------------------|--------------------------------------|
| FORM PTO-1449 | SERIAL NO. 10/082,797 | CASE NO. 9683/106 |
| LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT | FILING DATE February 25, 2002 | GROUP ART UNIT 2681 |
| (use several sheets if necessary) | | APPLICANT(S): Masahiro SAWADA et al. |

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER <small>Number-Kind Code (if known)</small> | DATE | NAME | CLASS/ SUBCLASS | FILING DATE |
|---------------------|-----|--|------------|-----------------|--------------------|----------------|
| | F1 | 2003-0013445 A1 | 01/16/2003 | Fujiwara et al. | | |
| | F2 | 2005-0197121 A1 | 09/08/2005 | Fujiwara et al. | | |
| | F3 | 5,559,865 | 09/24/1996 | Gilhousen | | |
| | F4 | 6,646,999 B1 | 11/11/2003 | Kato et al. | | |
| | F5 | 6,466,785 B1 | 10/15/2002 | Chambert et al. | | |
| | F6 | 6,330,446 B1 | 12/11/2001 | Mori | | |
| | F7 | 6,466,788 B1 | 10/15/2002 | Carlsson | | |
| | F8 | 5,898,922 | 04/27/1999 | Reininghaus | | |
| | F9 | 6,097,942 | 08/01/2000 | Laiho | | |
| | F10 | 5,828,958 | 10/27/1998 | Ishida et al. | | |
| | F11 | 5,815,810 | 09/29/1998 | Gallant et al. | | |
| | F12 | 6,556,831 B1 | 04/29/2003 | Büppelmann | | |
| | F13 | 5,835,845 | 11/10/1998 | Niki et al. | | |
| | F | | | | | |
| | F | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER <small>Number-Kind Code (if known)</small> | DATE | COUNTRY | CLASS/ SUBCLASS | TRANSLATION YES OR NO |
|---------------------|-----|--|------------|-----------|--------------------|--------------------------|
| | F14 | WO 94/08406 | 04/14/1994 | WIPO | | |
| | F15 | H07-030962 | 01/31/1995 | Japan | | YES |
| | F16 | AU-A-46850/97 | 11/06/1998 | Australia | | |
| | F17 | H08-140141 A | 05/31/1996 | Japan | | Abstract |
| | F18 | H08-214370 A | 08/20/1996 | Japan | | US 5,835,845 |
| | F | | | | | |

| EXAMINER INITIAL | OTHER ART – NON PATENT LITERATURE DOCUMENTS <small>(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.)</small> | |
|---------------------|---|--|
| | F19 | Patent Abstract of Japan for JP11-355835 |
| | F20 | Gu, D. L. et al., "Hierarchical Routing for Multi-Layer Ad-Hoc Wireless Networks with UAVs" <i>IEEE</i> , 2000, pp 310-314 |
| | F21 | Pei, G. et al., "A Wireless Hierarchical Routing Protocol with Group Mobility" <i>IEEE</i> , 1999 pp 1538-1542 |
| | F | |
| | F | |

| | |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.